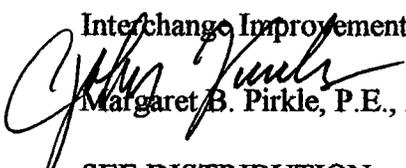


D.O.T. 66

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

**FILE** IM-85-1(356) Coweta County **OFFICE** Preconstruction  
P. I. No. 311790  
Interchange Improvements---I-85 at SR 34 **DATE** March 31, 2004  
**FROM**  Margaret B. Pirkle, P.E., Assistant Director of Preconstruction  
**TO** SEE DISTRIBUTION

**SUBJECT REVISED PROJECT CONCEPT REPORT APPROVAL**

Attached for your files is the approval for subject project.

MBP/cj

Attachment

**DISTRIBUTION:**

David Mulling  
Harvey Keepler  
Jerry Hobbs  
Percy Middlebrooks  
Michael Henry  
Phillip Allen  
Joe Palladi (file copy)  
Brent Story  
Gerald Ross  
Thomas Howell  
BOARD MEMBER  
FHWA

**DEPARTMENT OF TRANSPORTATION**  
**STATE OF GEORGIA**

DEC 12 2003

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** IM-85-1 (356) Coweta County **OFFICE** Road Design  
P.I. No. 311790  
I-85 Interchange Improvements at SR 34 **DATE** December 11, 2003

**FROM** *Gerald M. Ross*  
Gerald M. Ross, P.E., State Road & Airport Design Engineer

**TO** Margaret B. Pirkle, P.E., Assistant Director of Preconstruction

**SUBJECT** Revised Project Concept Report

Attached is the original copy of the revised Concept Report for your further handling for approval in accordance with the Plan Development Process (PDP). This revised project concept proposes to eliminate all widening work along I-85, including the southbound auxiliary lane and additional through lanes. The proposed widening of I-85 is now included within the limits of project MSL-0003-00 (161) Meriwether/Coweta Counties (P.I. 0003161) which is under concept development by consultant. The work to be retained from original concept will be the addition of the loop ramp, the northbound auxiliary lane and the realignment of the northbound I-85 off ramp and the restriping of S.R. 34. This revised project concept also contains minor modifications based on recommendations from the F.H.W.A.

The revised concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Program (RTP) and/or the State Transportation Improvement Program (STIP).

GMR:JSS:ss



Joe Palladi, P.E.  
State Transportation Planning Administrator

12/15/03

Date

cc: David Mulling w/attachments  
Harvey Keepler w/attachments  
Phillip Allen w/attachments

Joe Palladi w/attachments  
Percy Middlebrooks w/attachments  
Thomas Howell, Jr. w/attachments  
Paul Liles w/attachments

**ROUTING**

<input checked="" type="checkbox"/>	<i>Harvey</i>	<input checked="" type="checkbox"/>	<i>Joe</i>
<input checked="" type="checkbox"/>	<i>Paul</i>	<input checked="" type="checkbox"/>	<i>Harvey</i>
<input checked="" type="checkbox"/>	<i>Cedric</i>	<input type="checkbox"/>	<i>MEG</i>
<input type="checkbox"/>		<input type="checkbox"/>	

# REVISED P.ROJECT CONCEPT REPORT

IM-85-1(356), P.I. NO. 311790

Coweta County

**Need and Purpose:** See Attachment (Approved Concept)

**Project location:** This project consists of improvements to the I-85 interchange at S.R. 34 in Coweta County. The gross length of the project is 1.40 miles. The project will begin on I-85, 0.40 miles south of S.R. 34, miles log 12.37 and continue northward to a point approximately 1.0 miles north of S.R. 34, miles log 14.20 along I-85. On S.R. 34 the project begins west of I-85, mile log 14.80 and continues east, miles log 15.20 for 0.40 miles.

**Description of the approved concept:** See attachment (Approved Concept)

**PDP Classification:**

Full Oversight (X), Exempt( ), SF( ), Other ( )

**Functional Classification:** I-85 Urban Principal Arterial, S.R. 34 Urban Minor Arterial

**U. S. Route Number(s):** None

**State Route Number(s):** 403 & 34

**Traffic (AADT) as shown in the approved concept:**

Current Year: (1998), I-85	<u>45,000</u>	Design Year: ( 2018),	<u>90,000</u>
SR-34	39,000		66,000

**Proposed features to be revised:** This project currently proposes to add a loop ramp in the southeast quadrant of the interchange, widen existing I-85 to six lanes south of S.R. 34 and the construction of an auxiliary lane in each direction north of S.R. 34. The addition of the loop also necessitates the realignment of the northbound I-85 off-ramp onto S.R. 34. The project would extend from 1.1 miles south of the interchange north along I-85 for a total distance of 2.9 miles. The loop ramp would eliminate the heavy left turn movement from S.R. 34 eastbound to I-85 northbound. The existing left turn storage will be restriped as a S.R. 34 eastbound through lane. The existing outside eastbound through lane would be restriped to a right turn only lane onto the loop ramp.

**Describe the revised feature(s) to be approved:** This revised project concept proposes to eliminate all widening work along I-85, including the southbound auxiliary lane and additional through lanes. The proposed widening of I-85 is now included within the limits of project MSL-0003-00 (161) Meriwether/Coweta Counties (P.I. 0003161) which is under concept development by consultant. The work to be retained from original concept will be the addition of the loop ramp, the northbound auxiliary lane and the realignment of the northbound I-85 off ramp and the restriping of S.R. 34.

This revised project concept also proposes the following improvements:

- Replace the northbound on ramp and southbound off ramp with new concrete pavement.
- Add 1500' of storage for vehicles turning right and 1200' of storage for vehicles turning left on the I-85 southbound off ramp.
- Add urban shoulders along S.R. 34 from west of I-85, mile log 14.8 to east of I-85 mile log 15.2.

- Add pedestrian facility under the bridge which will be a 5 foot sidewalk behind the bridge piers.
- Add lighting under the bridge.
- Remove raised pavement markers on S.R. 34 turning lane to allow a full-length right turn lane to northbound on ramp.
- Change bridge cross slope from 1% to 2%.
- Add a free flow protected right turn from the I-85 northbound exit to S.R. 34 eastbound.

**Updated traffic data (AADT):**

Current Year: (2008), I-85	<u>71,200</u>	Design Year: (2028),	<u>116,600</u>
SR-34	60,000		93,500

**Programmed/Schedule:**

P.E. 1995 R/W: 2003 Construction: 2005

**Revised cost estimates:**

1. Construction cost including inflation and E&C;: \$9,962,000
2. Right-of-way : \$2,110,200
3. Utilities: LGPA signed by city of Newnan for utilities on 4/23/96  
Coweta County requested to do partial utilities on 5/2/96.

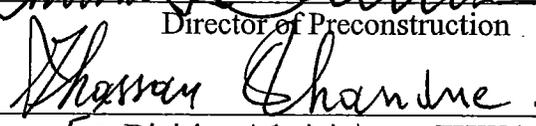
Is the project located in a Non-attainment area?  Yes  No

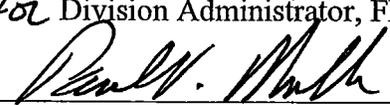
**Recommendation:** Recommend that the proposed revision to the concept be approved for implementation.

**Attachments:**

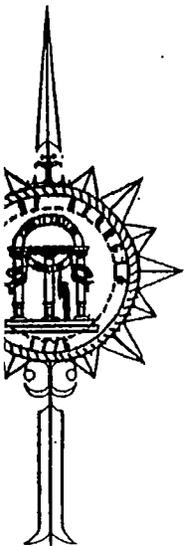
1. Sketch Map
2. Cost Estimate
3. Approved Concept

Concur:   
Director of Preconstruction

Approve:   
For Division Administrator, FHWA

Approve:   
Chief Engineer

PROJECT MAP - Project No. : IM-85-1(356)

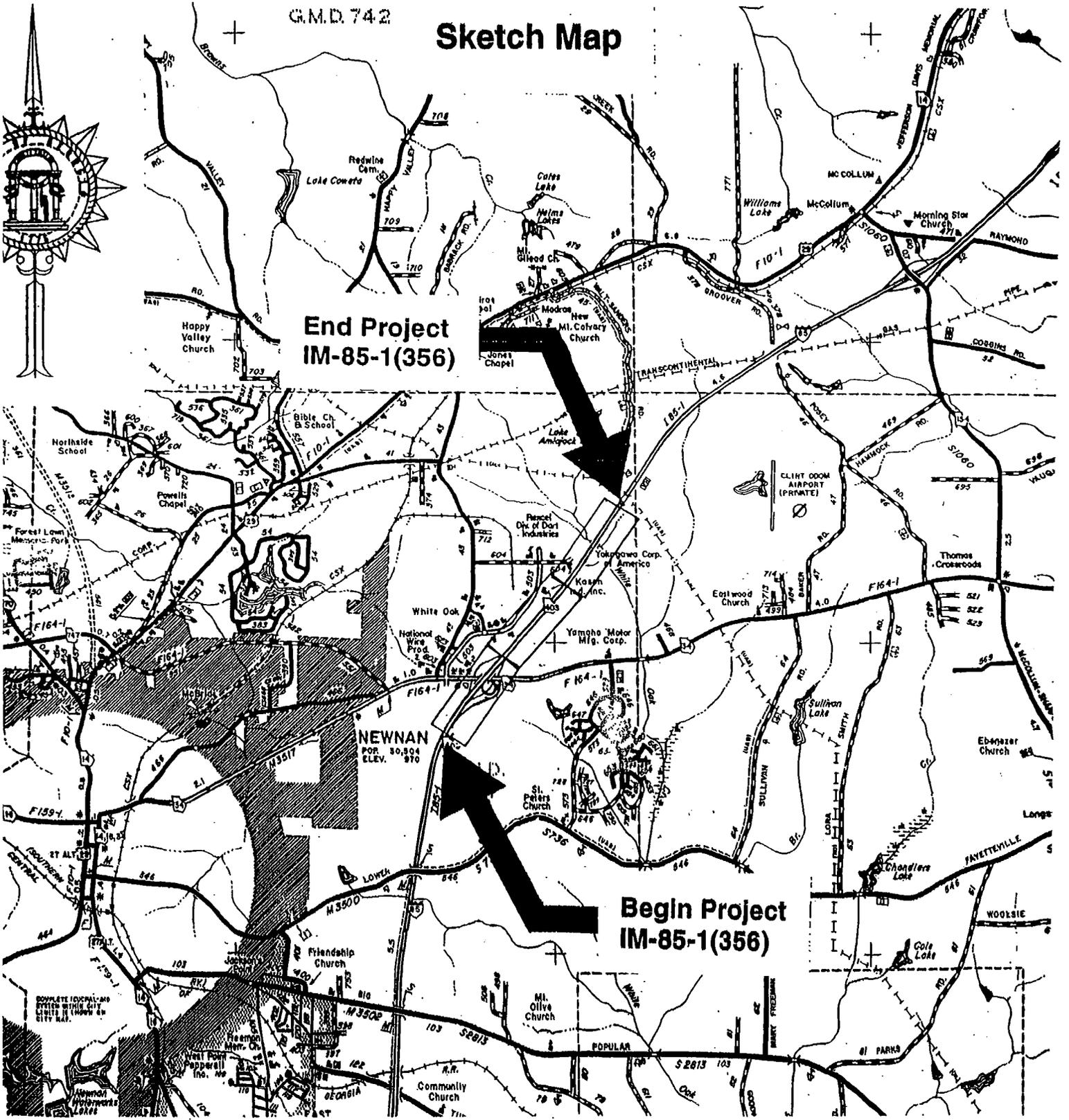


G.M.D. 742

# Sketch Map

End Project  
IM-85-1(356)

Begin Project  
IM-85-1(356)



COMPLETE JOURNAL AND  
OTHER RECORDS FILED  
IN THE CITY MAP.

**PRELIMINARY COST ESTIMATE**

PROJECT NUMBER: IM-85-1(356), COUNTY: COWETA P.I. NO. 311790

DATE: November 10, 2003 ESTIMATED LETTING DATE: July ,2005  
PREPARED BY:N. RAD PROJECT LENGTH (MILES):1.4 I-85 & 0.40 SR34  
( ) PROGRAMMING PROCESS ( ) CONCEPT DEVELOPMENT (X) DURING PROJECT DEV.

PROJECT COST	
A. RIGHT-TO-WAY:	
1. PROPERTY (LAND & EASEMENT)	\$596,250
2. DISPLACEMENTS; RES:4, BUS:18, M.H.:0	\$
3. OTHER COST (SCHED CONTINGENCY.ADM./COST, INFLATION)	\$1,513,950
SUBTOTAL:A	\$2,110,200
B. REIMBURSABLE UTILITIES:	
1. RAILROAD	\$
2. TRANSMISSION LINES	\$
3. SERVICES	\$
SUBTOTAL:B	<u>LGPA*</u>
C. CONSTRUCTION:	
1. MAJOR STRUCTURES	
a. RETAINING WALLS	\$0.00
b. BRIDGES (320' X 38.5'X \$ 55/SF)	\$677,600
c. DETOURS BRIDGES	\$
d. BOX CULVERTS :DOUBLE BARREL 7'X 6'	\$228,000
SUBTOTAL:C-1	\$905,600
2. GRADING AND DRAINAGE:	
EARTHWORK :Borrow (125,770 CY) (\$ 4.90/cy)	\$616,280
b. DRAINAGE:	
1) Cross Drain Pipe (exclude box culverts)	\$55,000
2) Curb and Gutter	\$50,000

PROJECT COST		
		\$
SUBTOTAL:C-2		\$721,280
3. BASE AND PAVING:		
a. AGGREGATE BASE 12.0" 23,160 TONS @ \$14.25		\$330,000
b. ASPHALT PAVING: 1.5" SURFACE 3,475 TONS @ \$43.98		\$152,830
2.0" Binder 1280 TONS @ \$45.46		\$58,200
6.0" Base (ML) 11,585 TONS @ \$41.53 5.0" Base (Ramps)		\$481,100
Bituminous tack coat 1100 gallons @ \$1.0/gallon		\$1100.0
Asphalt concrete leveling 1200 TONS @ \$38.70		\$46,440
Indentation Rumble Stripe 2.0 miles @ \$2817.51		\$5,640
SUBTOTAL:C-3.b		\$745,300
c. Plain PC Concrete Pavement, CL HES Conc. 12" THK (28,138 SY) (\$118)		\$3,320,280
d. Reinforced Concrete Approach slabs 230 SY @ \$123.3/SY		\$28,360
SUBTOTAL:C-3		\$4,423,940
4. LUMP ITEMS:		
a. TRAFFIC CONTROL		\$250,000
b. CLEARING AND GRUBBING		\$250,000
c. LANDSCAPING		\$100,000
d. EROSION CONTROL		\$260,000
e. DETOUR		\$0.00
SUBTOTAL:C-4		\$860,000
5. MISCELLANEOUS:		
a. Signing and marking		\$150,000
b. Guardrails		\$50,000

PROJECT COST	
c. Conduit, Fiberglass, 4", 4000' @ 53.50	\$214,000.0
-ELECTRICAL COMMUNICATION BOX, TY 5	\$16,000
-CONDUIT DUCK BANK, TYPE 2 4000' @ \$40	\$160,000
-MULTI-CELL CONDUIT SYS, 4 WAY, FIBERGLASS 4000' @ 44.50	\$178,000
d. Temporary barrier method 3 (4,000' @27.77) Median barrier type S-2 (4,000 @ 78.75)	\$426,100
e. Field engineer's office, type 3	\$53,000
f. Signals (1 each @ 60,000)	\$60,000
G. Sidewalk	\$66,500
SUBTOTAL:C-5	<u>\$1,373,600</u>
6. SPECIAL FEATURES _____	SUBTOTAL:C-6 <u>\$0</u>

<b>ESTIMATE SUMMARY</b>		
A. RIGHT-OF-WAY	\$2,110,200	
B. REIMBURSABLE UTILITIES	LGPA*	
C. CONSTRUCTION		
1. MAJOR STRUCTURES	\$905,600	
2. GRADING AND DRAINAGE	\$721,280	
3. BASE AND PAVING	\$4,423,940	
4. LUMP ITEMS	\$860,000	
5. MISCELLANEOUS	\$1,373,600	
6. SPECIAL FEATURES	\$0	
SUBTOTAL CONSTRUCTION COST	\$8,284,420	
E. & C. (10%)	\$828,442	
INFLATION ( 5% PER YEAR COMPOUND)	\$849,153	
TOTAL CONSTRUCTION COST	\$9,962,000	
<b>GRAND TOTAL PROJECT COST</b>	<b>\$12,072,200</b>	

\* LGPA signed by city of Newnan for utilities on 4/23/96.  
Coweta County requested to do partial utilities on 5.2/96.



# TYPICAL SECTIONS 1

**ALLOWABLE RANGES TABLE**

FOR THIS PROJECT, CROSS SLOPES THAT ARE ADJUSTED TO BEST FIT EXISTING PAVEMENT SLOPES ARE SUBJECT TO THE FOLLOWING LIMITS:

REQUIRED RURAL CROSS SLOPES		REQUIRED URBAN CROSS SLOPES	
MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

1. RURAL CROSS SLOPES

2. URBAN CROSS SLOPES

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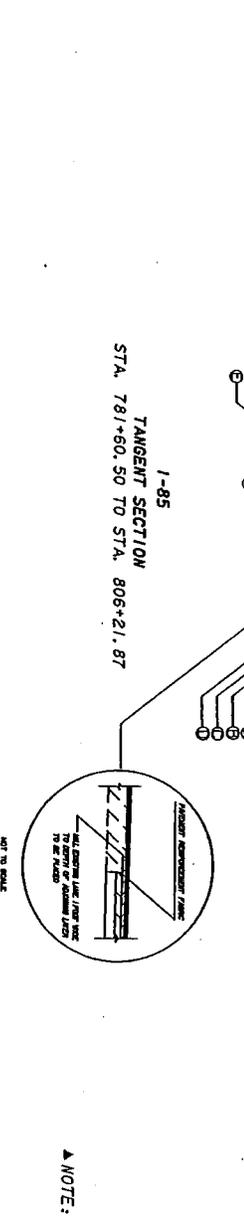
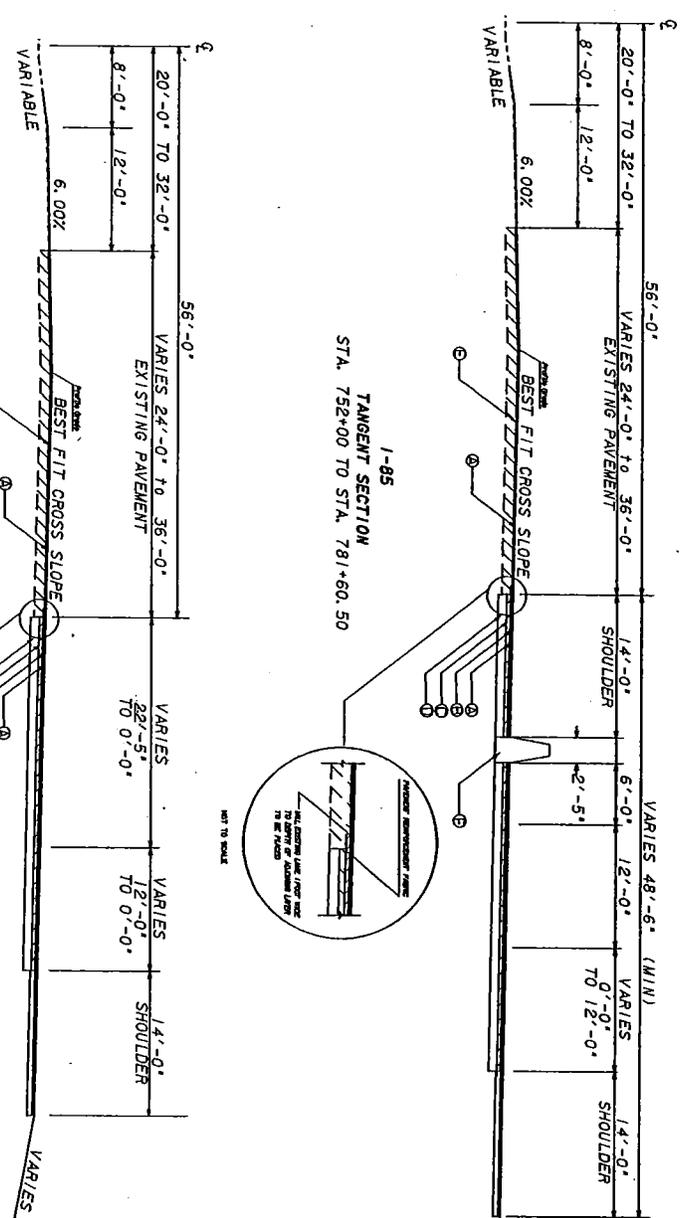
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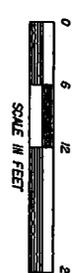
99. SLOPE OF TRANSITION LINE

100. SLOPE OF TRANSITION LINE



- REQUIRED PAVEMENT**
- Ⓐ RECYC ASPH CONC, 12.5 mm SUPERPAVE MIX, 165° / SY
  - Ⓑ RECYC ASPH CONC, 19 mm SUPERPAVE MIX, 220° / SY
  - Ⓒ RECYC ASPH CONC BASE, 25 mm SUPERPAVE MIX, 660° / SY
  - Ⓓ GRADED AGGREGATE BASE, 12"
  - Ⓔ RECYC ASPH CONC LEVELING, AS REQ'D
  - Ⓕ CONCRETE MEDIAN BARRIER TYPE S-1

NOTE: SEE GA. STD 9028C FOR METHOD OF SLOPING SHOULDER.



PROJECT 1M-85-1(356)  
COMETA COUNTY  
TYPICAL SECTIONS  
1-85

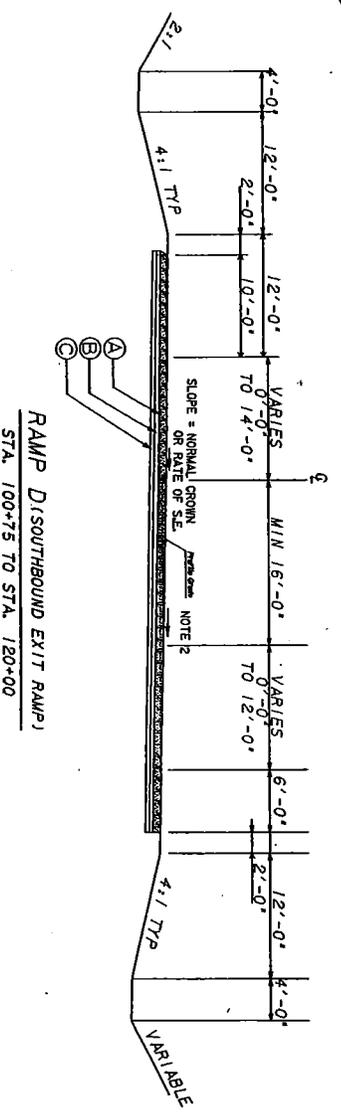
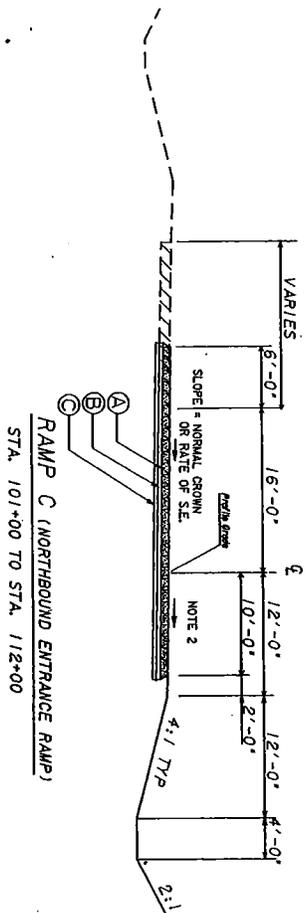
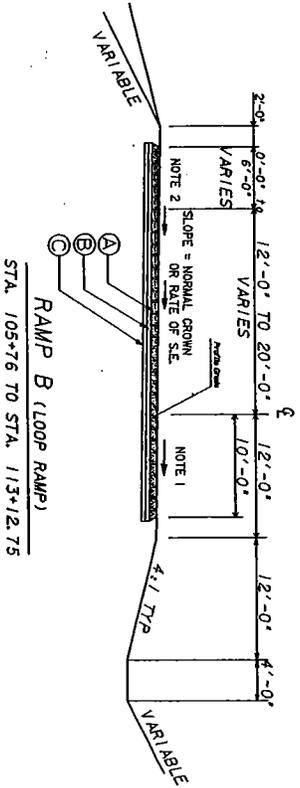
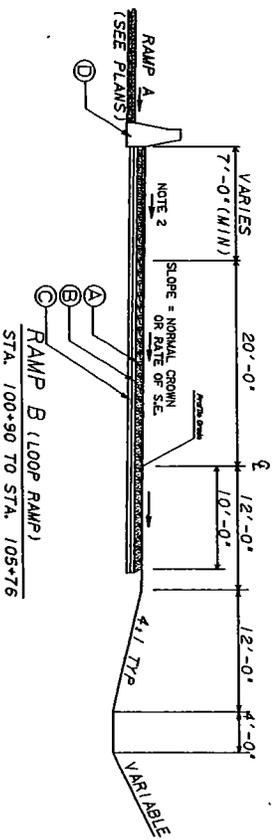
NOTE: Standard Cross-slope of 1/4% per foot may be varied as directed by the engineer to best fit the existing roadway as per Sec.149 of the Supplemental Specifications. See Allowable Ranges Table.

NOTE: An additional 5'-6" to the shoulder will be required on all 2:1 fill slopes to facilitate the installation of guard-rail.





# TYPICAL SECTIONS 4



NOTES:

- 1 - SHOULDER TO SLOPE AT NORMAL RATE, OR SUPERELEVATION RATE, WHICHEVER IS GREATER.
- 2 - SHOULDER TO SLOPE AT NORMAL RATE, HOWEVER THE USABLE DIFFERENCE IN PAVING SLOPE AND SHOULDER SHALL NOT EXCEED 0.5%.

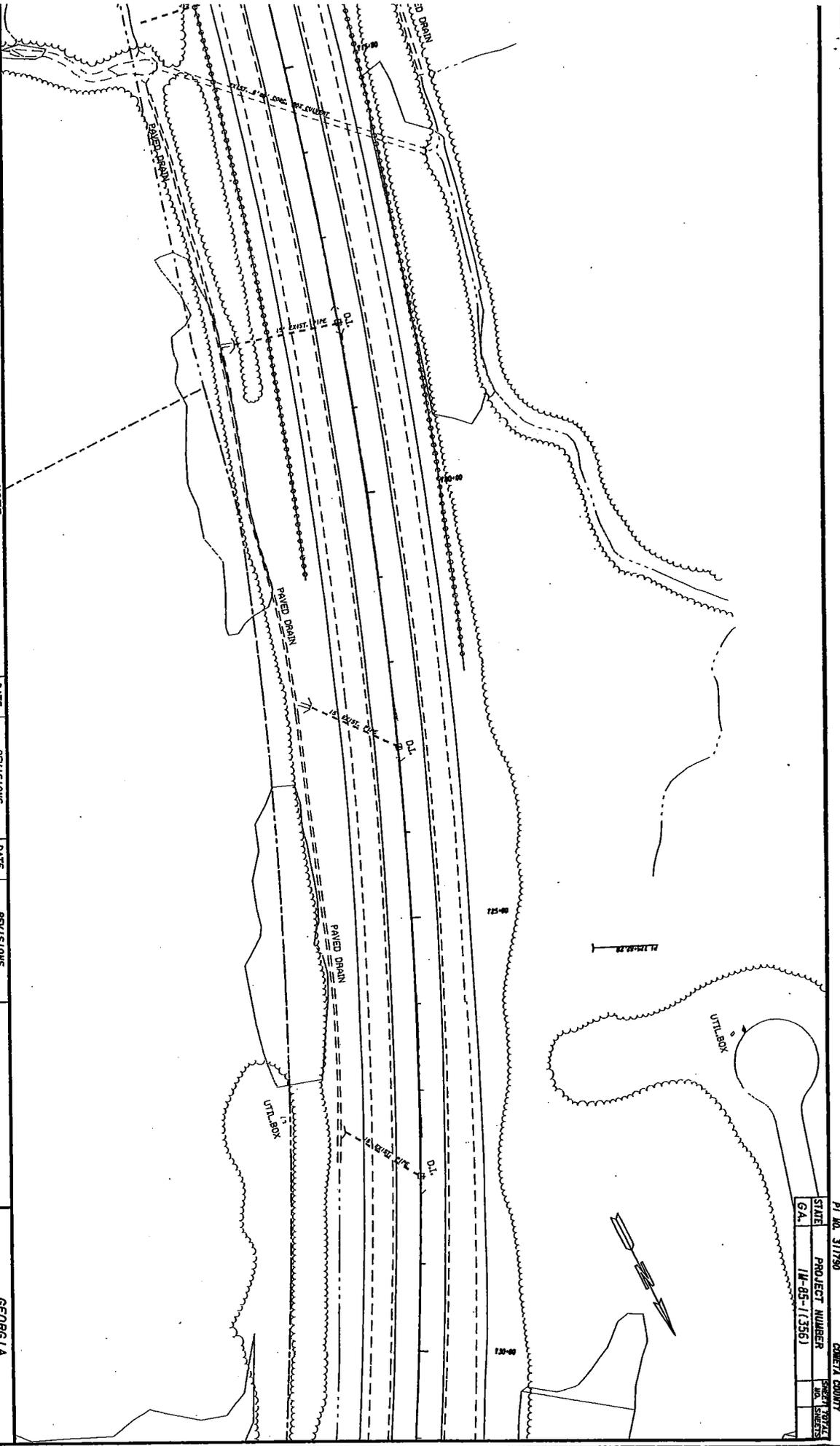
- Ⓐ PLAIN PC CONCRETE PAVT. CL HES CONC. 12'
- Ⓑ RECYC ASPH CONC. BASE, 25 MM SUPERPAVE MIX. 550 \* / SY
- Ⓒ GRADED AGGREGATE BASE, 12'
- Ⓓ CONCRETE MEDIAN BARRIER TYPE S-2



PROJECT IM-85-1 (356)  
COWETA COUNTY  
TYPICAL SECTIONS  
RAMP B, C & D

PL. NO. 31790  
 STATE PROJECT NUMBER  
 GA. 1M-85-1(356)  
 SHEET NO. 1 OF 1

CUMETA COUNTY

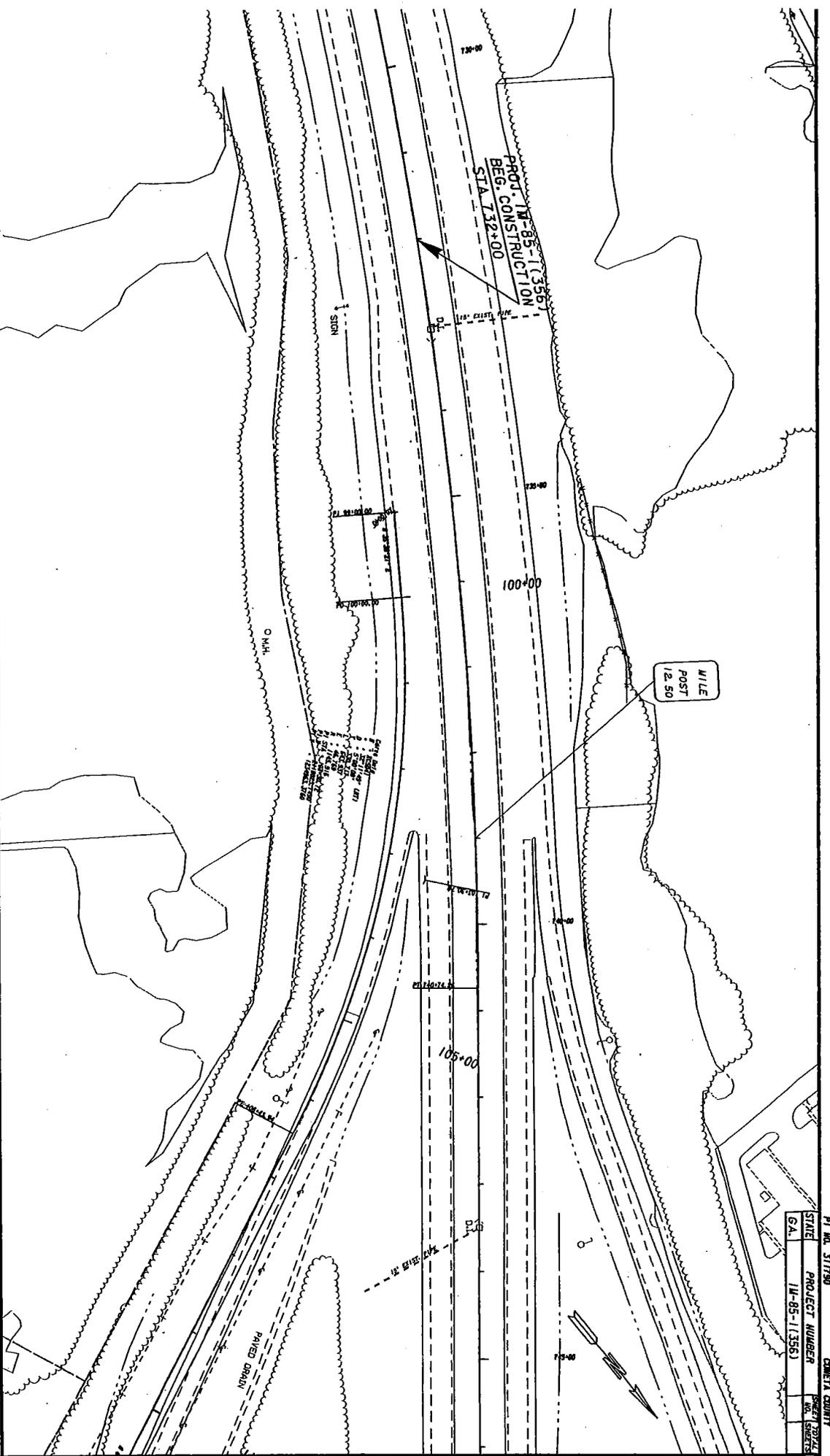


**NOTE:**  
 ALL STATIONS AND OFFSETS  
 ARE TAKEN FROM THE CONSTRUCTION  
 CENTERLINE UNLESS NOTED OTHERWISE.  
 SCALE IN FEET

DATE	REVISIONS	DATE	REVISIONS

GEORGIA  
 DEPARTMENT OF TRANSPORTATION  
 CONSTRUCTION PLAN

CO1



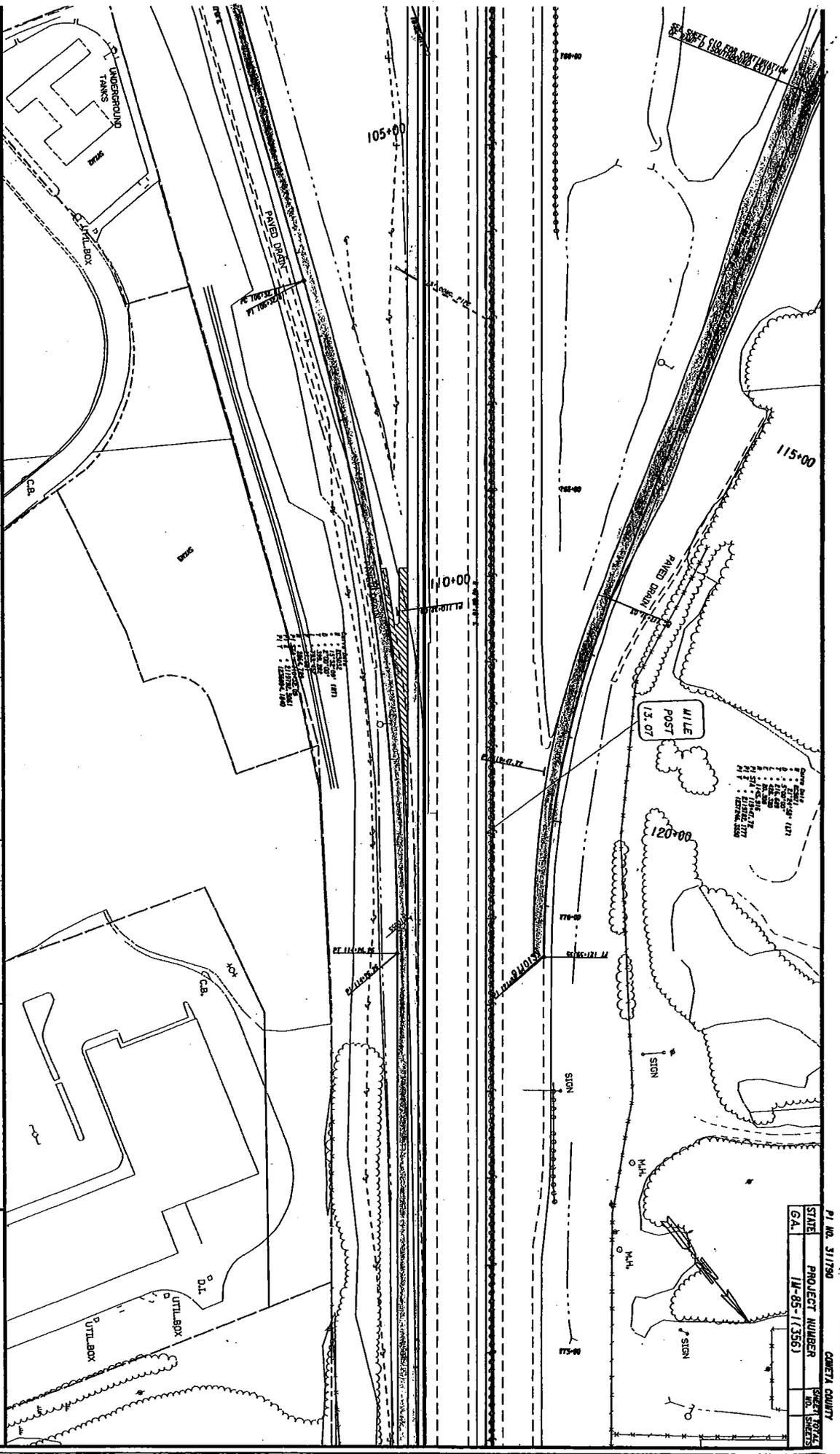
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 SCALE IN FEET



DATE	REVISIONS	DATE	REVISIONS

GEORGIA  
 DEPARTMENT OF TRANSPORTATION  
 CONSTRUCTION PLAN  
 C02





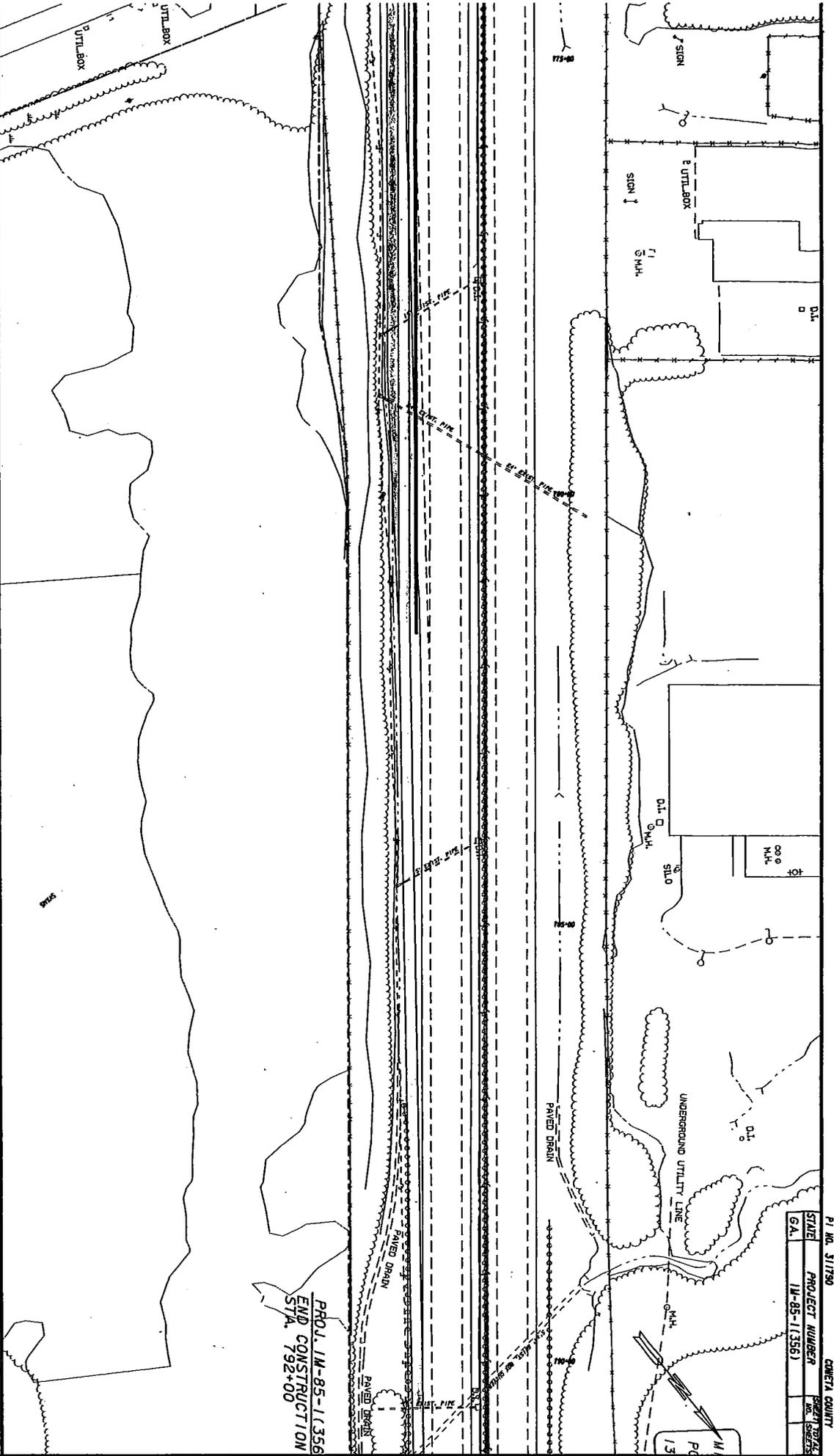
NOTE:  
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 SCALE IN FEET



DATE	REVISIONS	DATE	REVISIONS

GEORGIA  
 DEPARTMENT OF TRANSPORTATION  
 CONSTRUCTION PLAN

C04



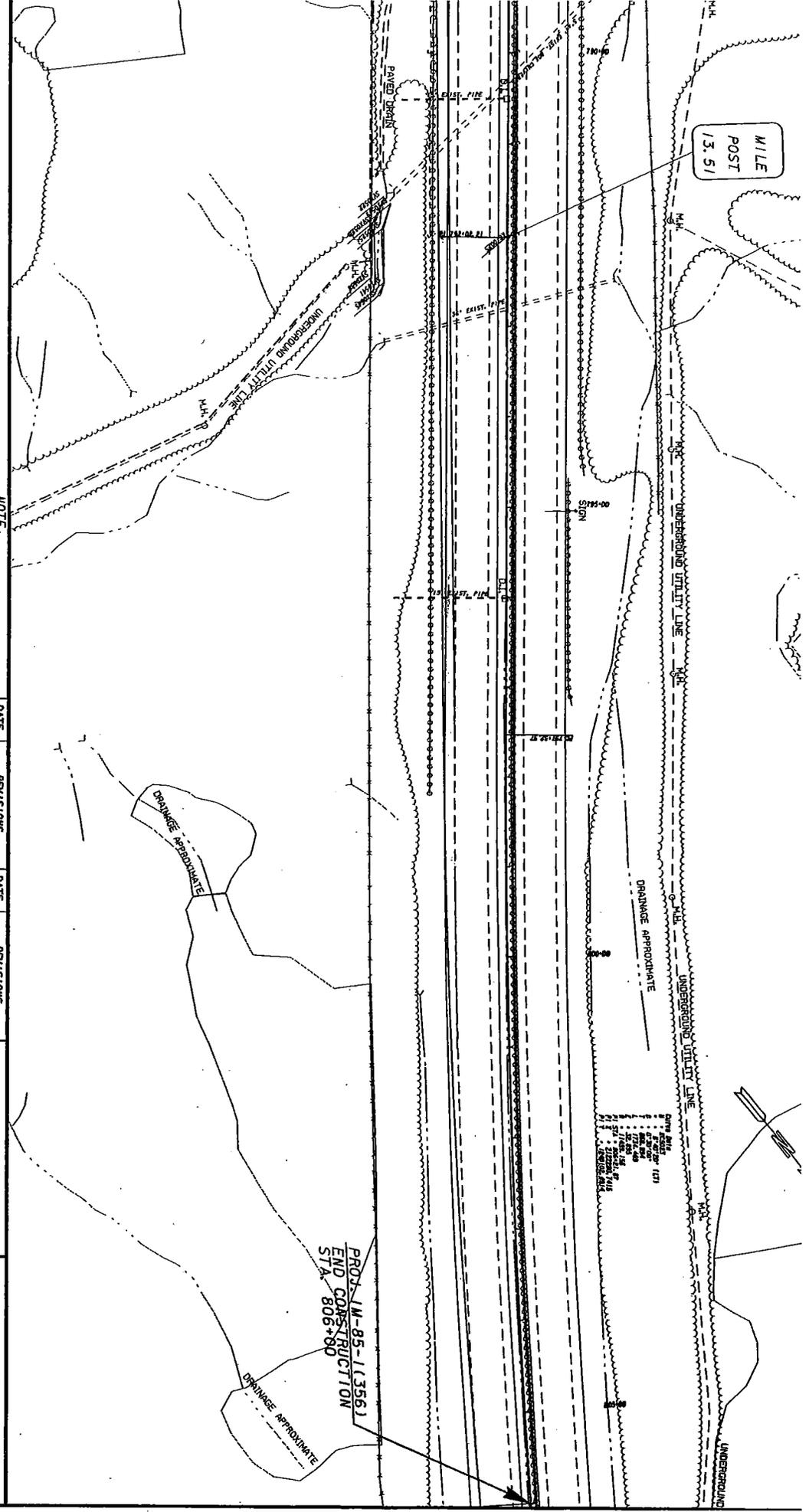
PROJ. 11-85-1(356)  
 END CONSTRUCTION  
 STA. 792+00

NOTE:  
 ALL ELEVATIONS AND OFFSETS  
 ARE TAKEN FROM THE CONSTRUCTION  
 CENTERLINE UNLESS NOTED OTHERWISE.  
 SCALE IN FEET



DATE	REVISIONS	DATE	REVISIONS

GEORGIA  
 DEPARTMENT OF TRANSPORTATION  
 CONSTRUCTION PLAN  
 C05



NOTE:  
 ALL STATIONS AND OFFSETS  
 ARE TAKEN FROM THE CONSTRUCTION  
 CENTERLINE UNLESS NOTED OTHERWISE.  
 SCALE IN FEET



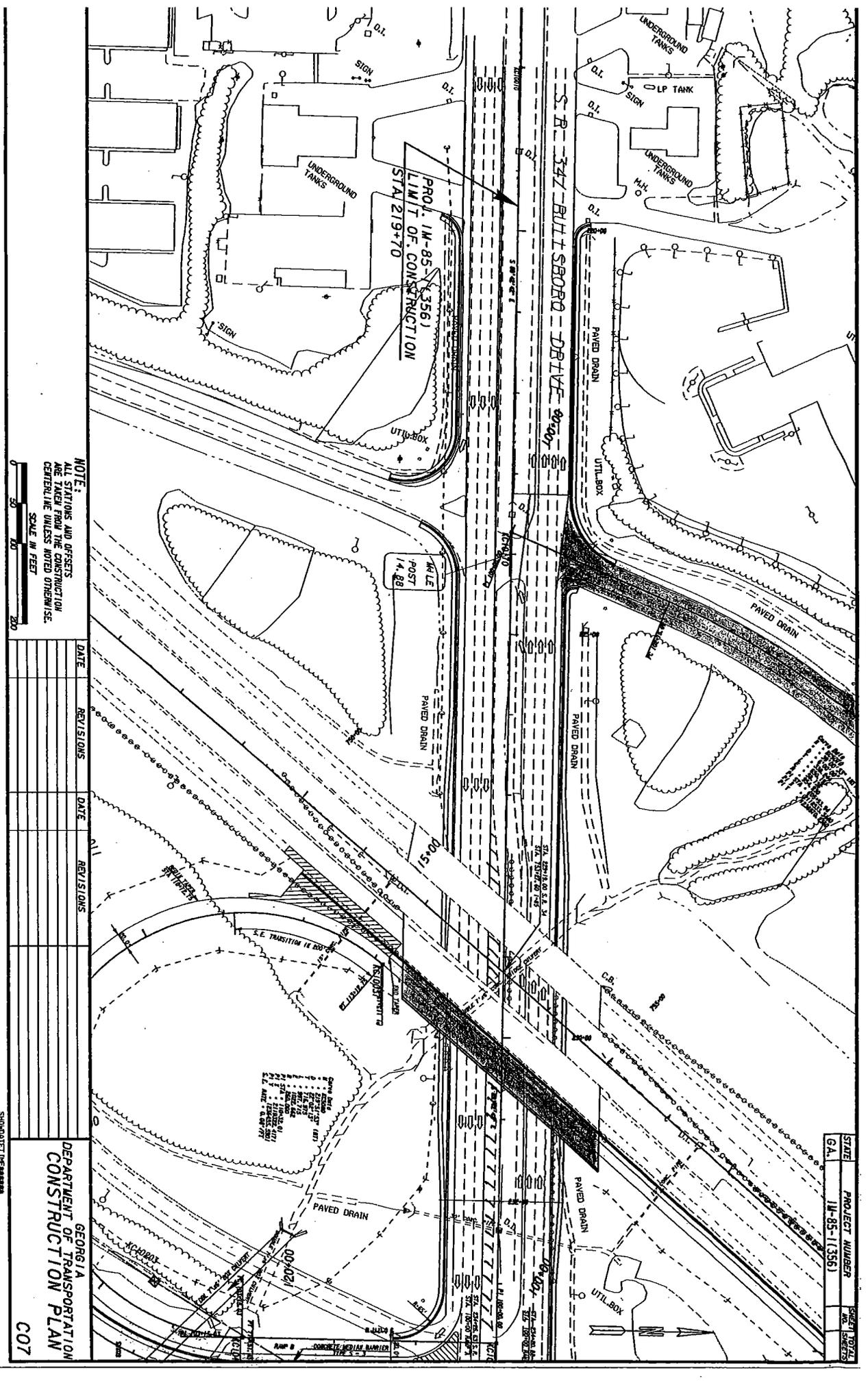
DATE	REVISIONS	DATE	REVISIONS

PROJECT M-85-1356  
 END CONSTRUCTION  
 STA. 806+80

GEORGIA  
 DEPARTMENT OF TRANSPORTATION  
 CONSTRUCTION PLAN

C06

SPROCKET HOLE  
 DIMENSIONS IN INCHES



NOTE:  
 ALL STATIONS AND OFFSETS  
 ARE TAKEN FROM THE CONSTRUCTION  
 CENTERLINE UNLESS NOTED OTHERWISE.  
 SCALE IN FEET



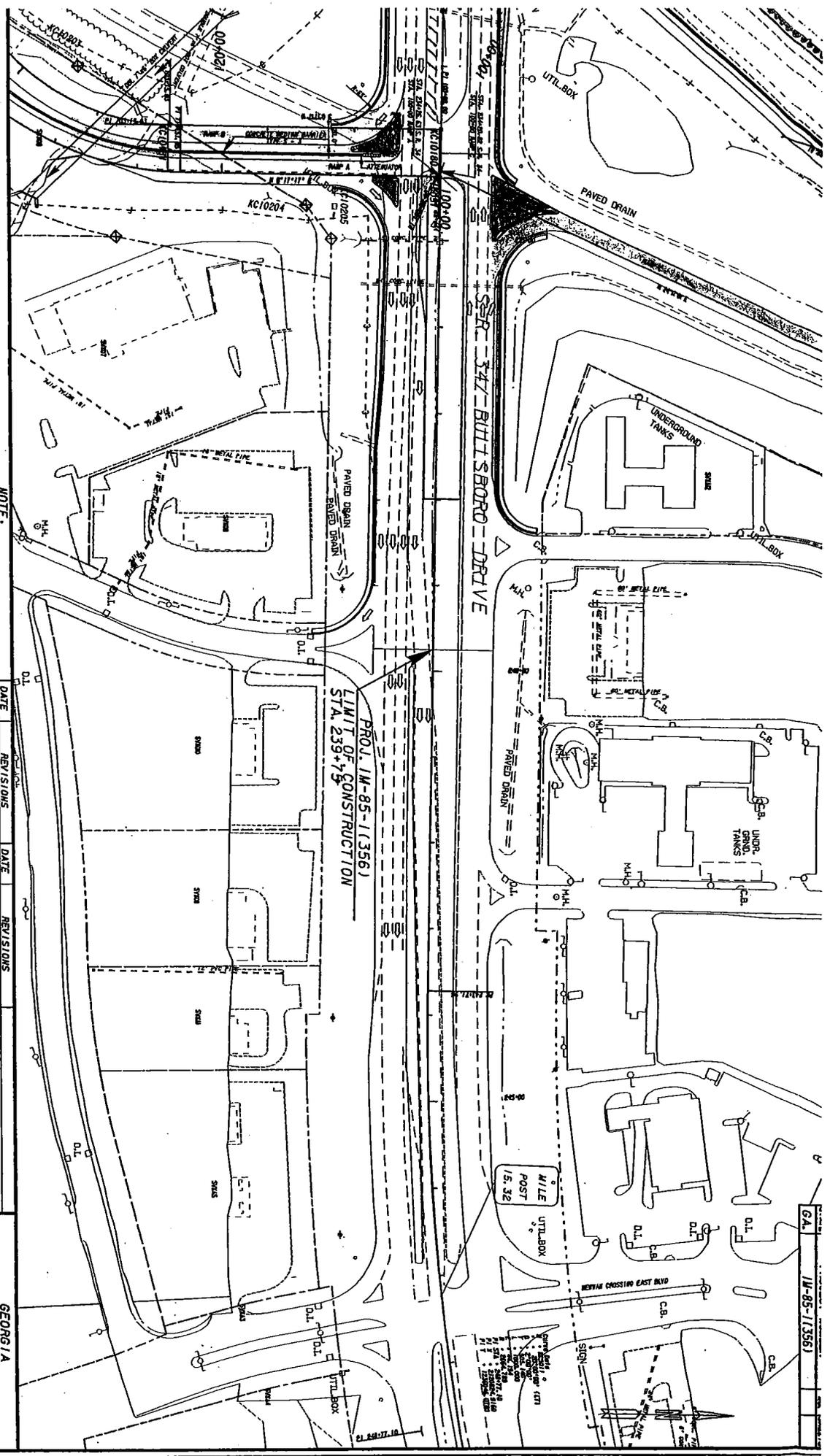
DATE	REVISIONS	DATE	REVISIONS

GEORGIA  
 DEPARTMENT OF TRANSPORTATION  
 CONSTRUCTION PLAN

C07

STATE	PROJECT NUMBER	SHEET TOTAL
G.A.	11-85-1(356)	1 OF 3

1. 1" = 40' (VERTICAL)  
 2. 1" = 40' (HORIZONTAL)  
 3. ALL DIMENSIONS IN FEET  
 4. ALL DIMENSIONS TO CENTERLINE UNLESS NOTED OTHERWISE  
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**NOTE:**  
 ALL STATIONS AND OFFSETS  
 ARE TAKEN FROM THE CONSTRUCTION  
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 SCALE IN FEET



DATE	REVISIONS	DATE	REVISIONS

**PROJ. 11-85-113561**  
**LIMIT OF CONSTRUCTION**  
**STA. 239+75**

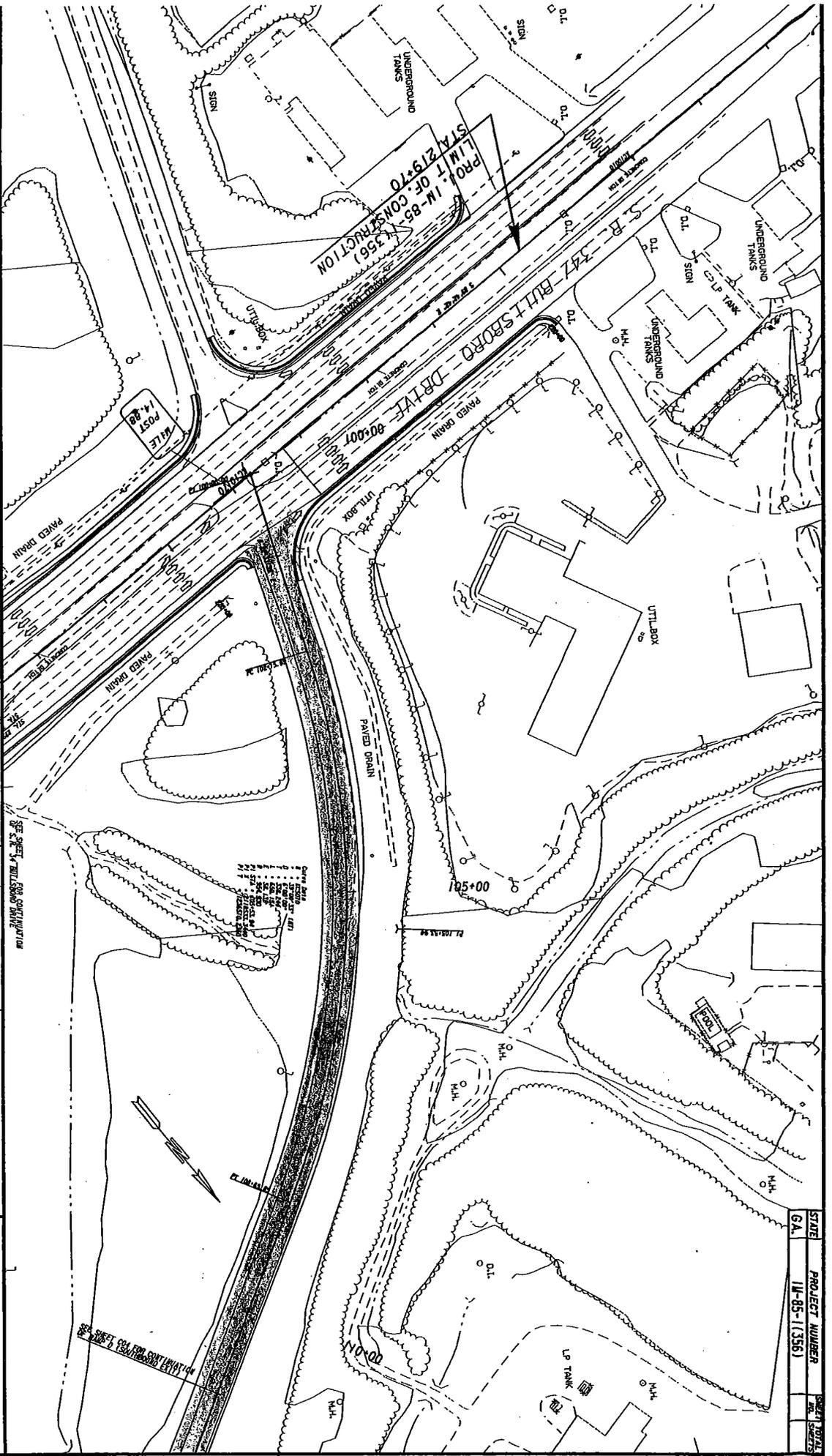
**GEORGIA**  
**DEPARTMENT OF TRANSPORTATION**  
**CONSTRUCTION PLAN**

**C08**

SHOWN BY THE  
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**11-85-113561**





NOTE:  
 ALL STATIONS AND OFFSETS  
 ARE TAKEN FROM THE CONSTRUCTION  
 CENTERLINE UNLESS NOTED OTHERWISE.  
 SCALE IN FEET



DATE	REVISIONS	DATE	REVISIONS

GEORGIA  
 DEPARTMENT OF TRANSPORTATION  
 CONSTRUCTION PLAN  
 C10

STATE PROJECT NUMBER  
 GA. 11-85-1(356)

SPRINT PROJECT NUMBER  
 TRANSPO-11-85-1(356)

Mike R. ~~Wick~~  
Jeff

ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

**FILE** IM-85-1(356) Coweta County **OFFICE** Preconstruction  
P. I. No.311790 **DATE** December 12, 1996

**FROM**   
C. Wayne Hutto, Assistant Director of Preconstruction

**TO** SEE DISTRIBUTION

**SUBJECT** PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

CWH/cj

Attachment

DISTRIBUTION:

- Walker Scott
- Bobby Mustin
- David Studstill (ATTN: Harvey Keeper)
- Jerry Hobbs
- Herman Griffin
- Darrell Elwell (ATTN: Michael Henry)
- Marion Waters
- Toni Dunagan
- Paul Liles
- Jim Kennerly
- Joe Street
- FHWA

41

IM-85-1(356) Coweta  
October 21, 1996

the existing two lane section. The right hand eastbound through lane will be striped out to a right turn only lane into the proposed loop ramp with the interchange project. No design variances are required to implement this project. Traffic will be maintained at all times during construction.

Environmental concerns include requiring a Categorical Exclusion be prepared; a public hearing is not required; time saving procedures are appropriate.

The estimated costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG DATE</u>	<u>LET DATE</u>
Construction (includes E&C and inflation)	\$9,017,000	\$3,877,000	2001	98-08
Right-of-Way	\$1,525,000	\$3,039,000		
Utilities*	LGPA	LGPA		

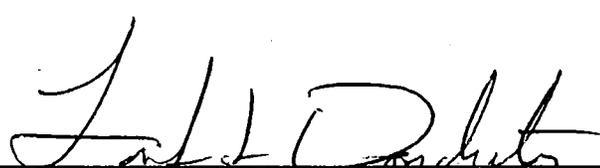
\* City of Newnan signed LGPA on 4-23-96 to be responsible for relocating city utilities; LGPA sent 5-2-96 requesting Coweta County be responsible for county utilities.

The proposed improvements will improve access from Newnan to Atlanta via I-85. This project is in the STIP. I recommend this project concept be approved.

WWS:JDQ/cj

Attachment

CONCUR

  
\_\_\_\_\_  
Frank L. Danchetz, P.E., Chief Engineer

APPROVE

  
\_\_\_\_\_  
Larry R. Dreihaupt, Division Administrator, FHWA

APPROVE

  
\_\_\_\_\_  
Wayne Shackelford, Commissioner

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**RECEIVED**  
SEP 05 1996  
**PRECONSTRUCTION**

**FILE** IM-85-1(356) Coweta County **OFFICE** Atlanta  
P.I. No. 311790  
**DATE** August 28, 1996

**FROM** *James A. Kennerly* <sup>ALA</sup>  
James A. Kennerly, State Road & Airport Design Engineer  
**TO** Wayne Hutto, Assistant Director of Preconstruction  
**SUBJECT** Project Concept Report

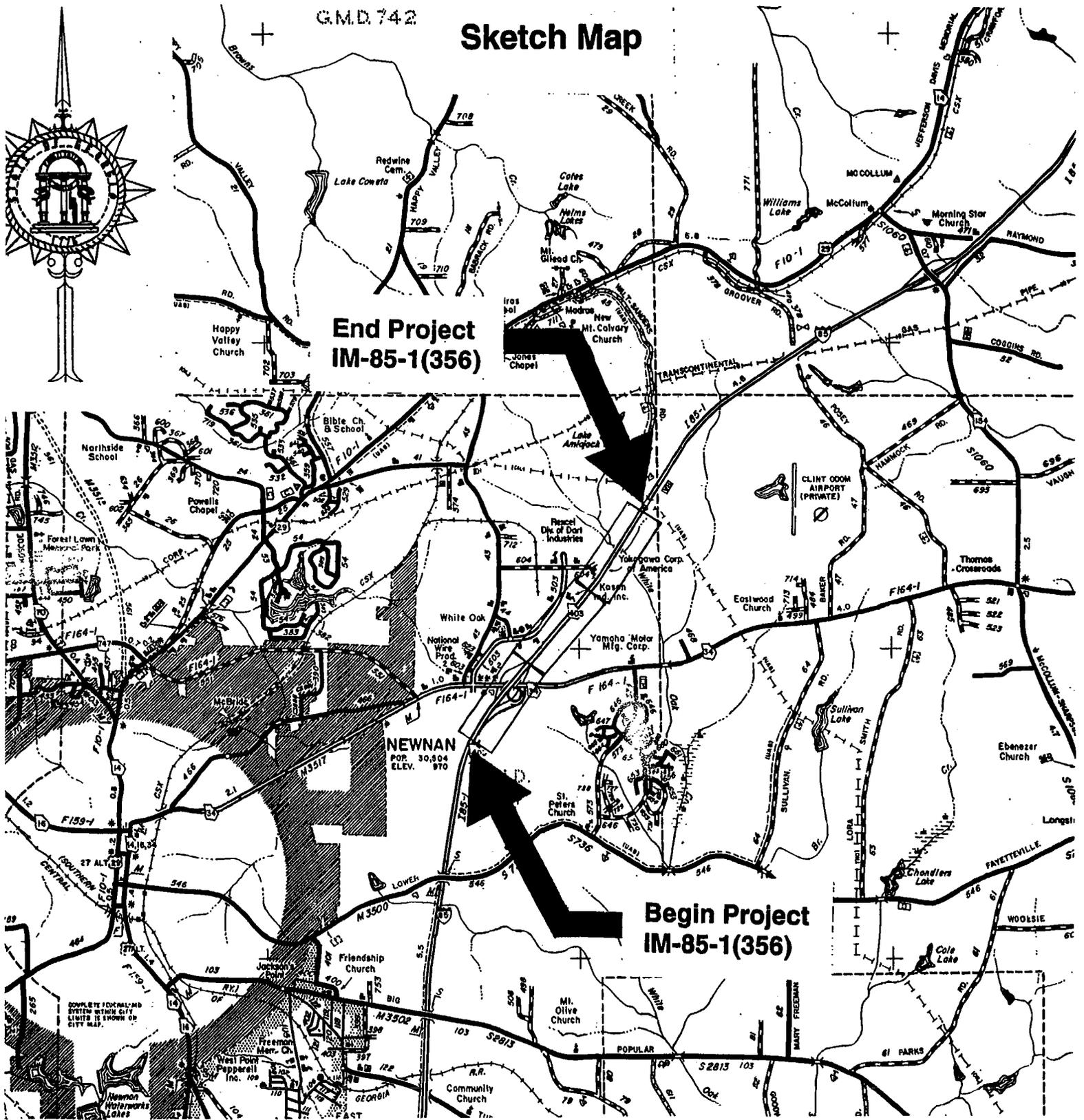
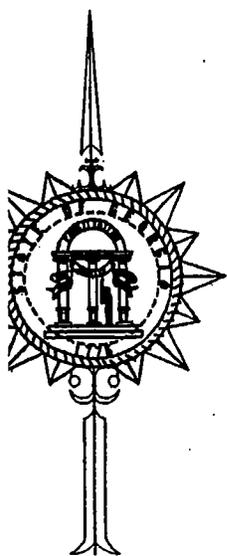
Attached is the Project Concept Report for your review and further handling. This project is for the proposed upgrade of the I-85/S.R. 34 interchange to add a loop ramp in the southwest quadrant to eliminate the heavy left turn movement from S.R. 34 to I-85 northbound. This project begins approximately 1.5 km south of the interchange and extends north for an approximate distance of 4.67 km along I-85.

*MGR*  
**JAK:MGR**

Attachment

cc: Walker Scott  
David Studstill, w/att  
Marion Waters, w/att  
Joe Street, w/att  
Paul Liles, w/att  
Bobby Mustin, w/att

PROJECT MAP - Project No. : IM-85-1(356)



G.M.D. 742

### Sketch Map

**End Project  
IM-85-1(356)**

**Begin Project  
IM-85-1(356)**

**NEWNAN**  
POP. 30,504  
ELEV. 970

CLINT ODOM  
AIRPORT  
(PRIVATE)

COMPLETE FORMAL AND  
SYSTEM WITHIN CITY  
LIMITS IS SHOWN ON  
CITY MAP.

PDP CLASSIFICATION	FUNCTIONAL CLASSIFICATION
MINOR / EXISTING	I-85: URBAN PRINCIPAL ARTERIAL (URBAN INTERSTATE) S.R. 34: URBAN MINOR ARTERIAL

NON-CA (X)	CA ( )	EXEMPT ( )	SF ( )
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**PROJECT NEED & PURPOSE**

The estimated year 2018 peak hour traffic traveling eastbound on S.R. 34 that desires to travel northbound on I-85 is 1,500 vehicles and the opposing year 2018 westbound peak hour traffic on S.R. 34 is 2,000 vehicles per hour (1,675 through and 325 right): Even with adding a second left turn lane and one through lane in each direction, the intersection will operate at an "F" level of service in the year 2018. The purpose for adding the loop ramp is to eliminate the conflict between the heavy volume of traffic traveling westbound on S.R. 34 and the heavy left turning volume of traffic from S.R. 34 to the I-85 northbound on ramp. The addition of the loop ramp will result in a "C" level of service in the year 2018 at the intersection of S.R. 34 and the I-85 northbound ramps.

The widening of I-85 to six lanes from the bridge over S.R. 34 through the southern part of the interchange is needed to obtain a "C" level of service in the year 2018. The projected year 2018 traffic on I-85 south of the interchange is 75,000 vehicles per day.

The addition of the northbound auxiliary lane on I-85 from the loop ramp northward enables the traffic to merge with the I-85 traffic. The addition of the southbound auxiliary lane on the north side of the interchange enables the projected traffic to diverge from the I-85 traffic to the off ramp at S.R. 34. The addition of the auxiliary lanes result in a total of eight lanes on I-85 north of the interchange which are needed to obtain a "C" level of service in the year 2018. The projected year 2018 traffic on the north side of the interchange is 90,000 vehicles per day.

These improvements will improve access from Newnan to Atlanta via I-85. These improvements will also provide additional capacity for the traffic from the western part of Coweta County that is destined to Atlanta via the Newnan Bypass, S.R. 34, and I-85. There is the potential for tremendous development in the western part of Coweta County.

**PROPOSED ROADWAY**

TYPICAL SECTION:

I-85: 6 ea. - 3.6 m lanes with auxiliary lanes

S.R. 34: 4 ea. - 3.6 m lanes

	<u>DESIGN SPEED</u>	<u>MINIMUM RADIUS</u>	<u>MAX GRADE</u>
I-85:	110 km/h	ALLOWABLE: 500 m	ALLOWABLE: 4.00 %
		PROPOSED: 1750 m	PROPOSED: match exist.
S.R. 34:	90 km/h	ALLOWABLE: 305 m	ALLOWABLE: 5.00 %
		PROPOSED: 0 m	PROPOSED: match exist.

MAJOR STRUCTURES:

1. 2 ea. I-85 overpass bridges over S.R. 34 - widen northbound bridge outside and widen to close in between northbound and southbound bridges.

**PROPOSED RIGHT OF WAY**

R/W WIDTH:

I-85: 91 m

S.R. 34: 76 m

DISPLACEMENTS:

Residential: 0

Commercial, Outbuildings, & Fencing: 0

TYPE OF ACCESS CONTROL:

I-85: Limited

S.R. 34: By permit

NUMBER OF PARCELS: 2\* \* majority off of Lowdevelopmentnt parcel

<b>ALTERNATIVES CONSIDERED</b>	
1. No build	
2. Alternate as proposed	

<b>ESTIMATED COST</b>			
CONSTRUCTION:	\$ 7,451,900	RIGHT-OF-WAY:	\$ 1,525,000
E & C (10) :	\$ 745,190	ACQUIRED BY :	D.O.T
INFLATION :	\$ 819,709	UTILITIES :	LGPA*
		ADJUSTED BY :	LGPA*
<b>TOTAL CONSTRUCTION COST:</b>		<b>\$ 10,541,799</b>	

\* LGPA was signed by city of Newnan for utilities on 4/23/96.  
Coweta County requested to do partial utilities on 5/2/96.

**COMMENTS:**

This project was requested for submission to the S.H.I.P. committee at the concept meeting for project STP-164-1(38), Coweta county, which is the widening of S.R. 34 from just east of the I-85 interchange to just west of the S.R. 34 bypass.

~~Additional lanes needed for I-85 southbound to be added to the design plan. The estimated cost for these lanes is \$1,525,000.~~

lanes on I-85 southbound need to be added of the I-85 / S.R. 34 interchange.

**ATTACHMENTS:** Cost estimate, typical sections, minutes of the team concept meeting, right of way cost estimate, utility cost estimate, and programming authorization document.

**PRELIMINARY COST ESTIMATE**

PROJECT NUMBER: IM-85-1(356), COWETA COUNTY

P.I. 311790

DATE: August 23, 1996

ESTIMATED LETTING DATE: August 1998

PREPARED BY: Robert L. Reid

PROJECT LENGTH (MILES): 4.67 km

( ) PROGRAMMING PROCESS (X) CONCEPT DEVELOPMENT ( ) DURING PROJECT DEV.

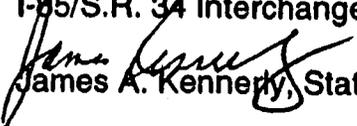
<b>PROJECT COST</b>	
<b>A. RIGHT-TO-WAY:</b>	
1. Property (land & easement)	\$ 841,000
2. Displacements (res:0, bus:0, m.h.:0)	\$ 0
3. Other cost (administration cost, inflation)	\$ 684,000
SUBTOTAL:A	\$ 1,525,000
<b>B. REIMBURSABLE UTILITIES:</b>	
1. Railroad	\$ 0
2. Transmission lines	\$ 0
3. Services	\$ 0
SUBTOTAL:B	LGPA*
* LGPA signed by city of Newnan & Coweta County (see concept report).	
<b>C. CONSTRUCTION:</b>	
1. Major structures:	
a. Bridges (300' x 99' x \$50/sf)	\$ 1,485,000
b. Box culverts (double 2.1 m x 1.8 m)	\$ 236,000
SUBTOTAL:C-1	\$ 1,721,000
2. Grading and drainage:	
a. Earthwork - borrow (258,000 cy x \$3/cy)	\$ 774,000
b. Drainage - cross drains	\$ 100,000
SUBTOTAL:C-2	\$ 874,000

<b>PROJECT COST</b>		
<b>b. Guardrail:</b>		
1. "T" beam	(100 lf x \$35/lf)	\$ 3,500
2. "W" beam	(10,000 lf x 12.50/lf)	\$ 125,000
3. TP 1 anchor	(10 ea. x \$430/ea.)	\$ 4,300
4. TP 11 anchor	(10 ea. x \$950/ea.)	\$ 9,500
5. Remove guardrail		\$ 10,000
<b>c. Other:</b>		
1. 4" conduit with innerduct (4 miles x \$85,000/mile)		\$ 340,000
2. Temporary barrier, method 2 (1,000 lf x \$40/lf)		\$ 40,000
3. Field engineer's office, type 2		\$ 25,000
4. Signals (1 each x \$50,000)		\$ 50,000
	SUBTOTAL:C-5	\$ 857,300
6. Special Features	SUBTOTAL:C-6	\$ 50,000

recd. 8-07-96  
NGK  
Robert

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** IM-85-1(356) Coweta County **OFFICE** Atlanta  
P.I. NO. 311790  
I-85/S.R. 34 Interchange Upgrade **DATE** July 18, 1996  
**FROM**  James A. Kennerly, State Road & Airport Design Engineer  
**TO** SEE DISTRIBUTION

**SUBJECT MINUTES OF DESIGN CONCEPT MEETING**

The design concept team meeting for project IM-85-1(356) was held on July 11, 1996 at 10:00 AM, in the Office of Road and Airport Design, Conference Room 444. Persons who were present representing the Georgia Department of Transportation are listed as follows:

Office of Road and Airport Design :  
Mike Reynolds; Robert Reid; Jon Blanchard

Office of Planning :  
Neal Wilkes

Office Of Programming :  
Reba Scott

Office Of Right of Way :  
Stan Peteet

Office Of Traffic Operations :  
Ken Estes

Office Of Engineering Services :  
David Mulling

District 3 Office:  
Joe Leoni - District Preconstruction Engineer  
Gene Goins - District Utilities Engineer

Other Dignintaries and individuals present are listed as follows:

Honorable John Yates - District 106 State Representative

Lawrence A. Nelms - Coweta County Commissioner

**Discussion was as follows :**

Coweta County Commissioner Lawrence Nelms commented that the design was a much needed one and then asked what would be the earliest date to begin construction on project STP-164-1(38). Mike Reynolds responded by saying that it could be awarded as early as two weeks after letting to bid.

Tony VanDeRyt asked about the proposed right of way and mentioned that no utilities are presently along the northbound off ramp existing r/w, but utilities do exist parallel to S.R. 34. Robert Reid stated that there is currently only one parcel where required r/w is anticipated with approximately 3.86 acres required in the southeast quadrant of the interchange (Lowe's). Mike Reynolds noted that the Lowe's development site plan had been coordinated with our loop ramp proposal. He noted that the only thing that might be a conflict was what appeared to be a detention pond built by the Lowe's development.

Gene Goins mentioned that there are existing utilities under the paved shoulder directly under the bridge after asking about the horizontal clearance underneath the existing bridge. Robert Reid explained that the loop ramp was designed by retaining the existing horizontal clearance of the overpass bridge and flaring off the loop ramp beyond the proposed bridge widening for the proposed entrance ramp to I85 northbound.

Ken Estes questioned the southbound lane drop. He suggested that the lane drop merge on the right side versus the left side and far enough from the entrance merge from the southbound on ramp to allow for proper signing. Mike Reynolds said it would be considered; however, this would require the project to be lengthened considerably if the 3rd travel lane is carried south of the interchange.

Tony VanDeRyt asked if an additional lane was added for the loop ramp along S.R. 34 and was told that one of the existing through lanes would become a dedicated exit lane.

1 cc'd 1-10-16

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

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INTERDEPARTMENT CORRESPONDENCE

FILE R/W Cost Estimate OFFICE Atlanta  
*David P. Meshberger* DATE July 8, 1996  
FROM David P. Meshberger, State Rights of Way Engineer  
TO James A. Kennerly, P.E., State Road Design Engineer  
Attention: Mike Reynolds  
SUBJECT RE: Preliminary R/W Cost Estimate  
Project: IM-85-1(356)Coweta  
P.I. No.: 311790  
Description: Interchange improvements I-85 & S.R. 34

As per your request, attached is a copy of an approved preliminary Right of Way Cost Estimate on the above referenced project.

If you have any questions, please contact Stan Peteet of this office at 986-1009.

DPM:JTL:SBP:sry

Attachment

c: Bob Mustin, Engineering Services  
Steve Crawford



D.O.T. 607  
**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** **OFFICE** Thomaston  
**DATE** September 13, 1996  
**FROM** *Joe:* Joe B. Street, District Engineer *JAL WS*  
**TO** Wayne Hutto, Assistant Director of Preconstruction  
**SUBJECT** **CONCEPT REPORT REVIEW**

We have reviewed the concept report on the above project and concur with the recommendation for approval.

Attached for your further handling is the concept report cover sheet which has been signed by the District Engineer.

JAL:VS  
Attachment  
xc: Walker Scott  
David Studstill  
Marion Waters  
Paul Liles  
Bobby Mustin



DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
OFFICE OF ROAD AND AIRPORT DESIGN

PROJECT CONCEPT REPORT

IM-85-1(356)  
COWETA COUNTY  
P.I. 311790

FEDERAL ROUTE NO: I-85  
STATE ROUTE NO: S.R. 34  
GADOT P.I. NO: 311790

Date of Report: August 23, 1996

RECOMMENDATION FOR APPROVAL	
9-5-96 DATE	<i>James A. Kennedy</i> State Road & Airport Design Engineer
10/1/96 DATE	<i>[Signature]</i> State Environmental Engineer
DATE	State Traffic Operations Engineer
DATE	District Engineer
DATE	State Bridge Engineer
DATE	State Project Review Engineer